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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/819,703	03/29/2001	Kenichiro Sakai	826.1720	4089

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EXAMINER

TUNG, KEE M

ART UNIT PAPER NUMBER

2676

DATE MAILED: 04/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/819,703

Applicant(s)

SAKAI ET AL.

Examiner

Kee M Tung

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 March 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 and 7-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 and 7-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. Applicant's request for filing a RCE and an amendment filed 3/15/05 has been fully considered in preparing this Office action. New claim 15 is added by this amendment.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-5 and 7-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nunokawa et al (6,335,729 hereinafter "Nunokawa") in view of Kondo et al (6,512,497 hereinafter "Kondo").

Nunokawa teaches an image display device and a method (Figs. 1 and 3) for storing an image (map data) and displaying the image based on a user's display operation (from operation unit 19) comprising a non-volatile storage unit (18) storing data which can be rewritten and maintaining stored data even if a main power supply is switched off; an image storage unit (17) storing an image; an image display unit (15) displaying the image stored in the image storage unit; an operation detection unit detecting a user's display operation to modify a display state of the image displayed on the image display unit (col. 4, lines 15-22); a display information reading unit (such as a step of reading, col. 2, lines 33-35) for reading the display information from said non-

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volatile storage unit when power is switched on; and a display information writing unit (steps 109 and 110) for writing the display information for indicating a display state (it is noted that Nunokawa stores the display image information instead of the claimed display state of the currently displaying image. However, the display state information is directly linked to the currently displaying image and is used to link again the last displayed image once the power is on. The point is that they both try to solve the same problem that waste time to retrieve the last display image before power off. Furthermore, Kondo teaches to store the display state instead of the last display image. See below) of a currently displayed image in the non-volatile storage unit based on the detection result of the operation detection unit if the display information is not already stored in the non-volatile storage unit (It is noted that Nunokawa does not checked to see if the display information is already stored or not because it is well known that in the automobile navigation system if you used it, it means that you have just travel or from one location to another and the displayed information must be changed from the last time, so that the display information is new and is not already stored. Furthermore, to check if the display information is not already stored is a well known and well used practice in the data access art, for example, if you use the Microsoft Word or Excel to save the file, the system will automatically ask "do you want to save the changes you made to the file?" or something like this.) Kondo teaches an image information display device, such as, an electronic book (Fig. 2) comprising a recording medium (5), operation unit (23), a CPU (21), a ROM (24), a RAM (25), two displays (27 and 28) and a power controller (29). Kondo further teaches to store the display state information

instead of the display image when power OFF is instructed (col. 5, lines 20-39, "if the recording medium 5 has not been replaced, the **display state** that was active the last time the power was turned OFF is reproduced."). It would have been obvious to one of ordinary skill in the art at the time the present invention was made to combine the teachings of store display state information of Kondo into the system of Nunokawa in order to reduce memory capacity by only store the display state instead of the display image, furthermore, Kondo suggests or teaches the electronic book can be replaced by any battery-driven (portable) electronic device such as a laptop or PDA (col. 7, lines 51-54). Therefore, at least claims 1, 2, 4, 7, 8, 10-15 would have been obvious.

As per claim 3, Nunokawa fails explicitly teach or suggest if the display information read from said non-volatile storage unit is not a prescribed value, said display information reading unit modifies the display information to a prescribed rating value. However, Nunokawa teaches to display the last display image before power OFF which means there is no need to make any adjustment to the position or size unless it is a new display information which you can changed via operation unit. If the present invention requires the correction for the last stored display state information, then, the retrieve display information can not be the last stored display state as applicant claimed to over come from prior art.

As per claim 5, Nunokawa teaches if said operation detection unit does not detect another user's display operation during a specific time period after detecting a user's display operation, said display information writing unit writes the display

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information in said non-volatile storage unit (such as, in the parking lot when the car is not moving).

As per claim 9, Nunokawa teaches the display information includes at least one of information for specifying an original image, information about magnification of a display image and information for indicating a position in the original image of a display image (col. 4, lines 15-38).

Response to Arguments

4. Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kee M Tung whose telephone number is 571-272-7794. The examiner can normally be reached on Tuesday - Friday from 5:30 am - 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella can be reached on 571-272-7778. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'K. M. Tung', with a long, sweeping horizontal stroke extending to the right.

Kee M Tung
Primary Examiner
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